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Date	Client/Matter Number		
April 4, 2005	211843-00022		
From	Attorney Number		
John S. Paniaguas	32347		
Phone	Fax		
312.902.5312	312.577.4532		
Total number of pages, including cover letter: pages 10 of 11 <i>If you do not receive all of the pages, please call: 312.902.5312</i>			

Comments

RE: Patent Application No. 10/748,078

Filing Date: December 30, 2003

Inventor: Thomas N Horsky

Title: Electron Impact Ion Source

Confirmation No.: 6882

Please file the attached:

Transmittal Form (1 p.)

Fcc Transmittal (1 p.)

Amendment (4 pp.)

Petition for Extension of Time (1 p.) in duplicate

Patent Application Determination Record (1 p.)

Terminal Disclaimer (1 p.)

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Doc # C101 (211843-00022) 50269367 v1.04/04/2005/Time:9:01

PAGE 1/11 * RCVD AT 4/4/2005 11:57:31 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/2 * DNIS:8729306 * CSID:3129021061 * DURATION (mm:ss):04:06

PTO/SB/21 (09-04)

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FORM

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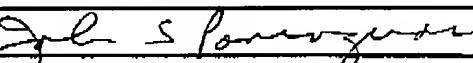
Total Number of Pages in This Submission

Application Number	10/748,078
Filing Date	December 30, 2003
First Named Inventor	Thomas N. Morshy
Art Unit	2821
Examiner Name	Vu, Jimmy T
Attorney Docket Number	211843-00022

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below)
<input type="checkbox"/> Express Abandonment Request	<input checked="" type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Patent Application Fee Determination Record
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<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

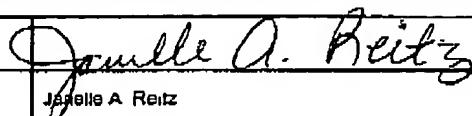
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

First Name	Katten Muchin Zavis Rosenman		
Signature			
Printed name	John S. Paniagras		
Date	April 4, 2005	Reg. No.	31,051

CERTIFICATE OF TRANSMISSION/MAILING

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Typed or printed name

Danielle A. Reitz

Date

4-4-05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4819).

FEE TRANSMITTAL For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)
\$575.00

Complete if Known

Application Number	10/748,078
Filing Date	December 30, 2003
First Named Inventor	Thomas N. Horsky
Examiner Name	Vu, Jimmy T.
Art Unit	2821
Attorney Docket No	211843/00022

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account Deposit Account Number 50-1214 Deposit Account Name Katten Muchin

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 Credit any overpayments

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FEES CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES	
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)
Utility	300	150	500	250	200	100
Design	200	100	100	50	130	65
Plant	200	100	300	150	160	80
Reissue	300	150	500	250	600	300
Provisional	200	100	0	0	0	0

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)
Each independent claim over 3 (including Reissues)
Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Small Entity	
				Fee (\$)	Fee (\$)
- 20 or MP -	x	=		50	25
MP = highest number of total claims paid for, if greater than 20				200	100
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	360	180
- 3 or MP =	x	=			
MP = highest number of independent claims paid for, if greater than 3.					

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(c)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s)

Total Sheets **Extra Sheets** **Number of each additional 50 or fraction thereof** **Fee (\$)** **Fee Paid (\$)**

- 100 - / 50 = (round up to a whole number) x =

4. OTHER FEE(S)
Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge), Petition for Extension of Time and Terminal Disclaimer

Fees Paid (\$)

\$575.00

SUBMITTED BY

Signature	<i>John S. Panigrahi</i>	Registration No (Attorney/Agent) 31,051	Telephone (312) 902-5200
Name (Print/Type)	John S. Panigrahi	Date <i>April 4, 2005</i>	

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to be (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE U.S. PATENT AND TRADEMARK OFFICE

CERTIFICATE OF TRANSMISSION

Application No.: 10/748,078
Filing Date: December 30, 2003
Inventor(s): Thomas N. Horsky
Group Art Unit: 2821
Examiner Name: Vu, Jimmy T.
Customer No.: 27160
Title: ELECTRON IMPACT ION SOURCE
Confirmation No.: 6882

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450, on this date

4-4-05 *Janelle A. Reitz*
Date Janelle A. Reitz

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT

Sir:

In response to the Official Action dated October 5, 2004, please enter the following
Amendment.

Amendments to the Claims are reflected in the listing of claims which begins on page 2
of this paper.

Remarks/Arguments begin on page 3 of this paper.